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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/608,743	06/24/2003	Roman Royer	303.856US1	7705	
7590 12/16/2004			EXAMINER		
	Lundberg, Woessner &	LUU, PHO M			
Attn: Viet V. To P.O. Box 2938	ong		ART UNIT	PAPER NUMBER	
Minneapolis, M	IN 55402	55402 2824			
			DATE MAILED: 12/16/200	4	

Please find below and/or attached an Office communication concerning this application or proceeding.

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-		Application No.	Applicant(s)	ω –			
Office Action Summary		10/608,743	ROYER, ROMAN				
		Examiner	Art Unit				
	·	Pho M Luu	2824				
Period fo	The MAILING DATE of this communication or Reply	n appears on the cover sheet	with the correspondence address				
A SH THE - Exte after - If the - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR R MAILING DATE OF THIS COMMUNICATION nsions of time may be available under the provisions of 37 CI SIX (6) MONTHS from the mailing date of this communication period for reply specified above is less than thirty (30) days, period for reply is specified above, the maximum statutory pure to reply within the set or extended period for reply will, by a reply received by the Office later than three months after the ed patent term adjustment. See 37 CFR 1.704(b).	ON. FR 1.136(a). In no event, however, mayon. a reply within the statutory minimum of period will apply and will expire SIX (6) No statute, cause the application to become	a reply be timely filed hirty (30) days will be considered timely. ONTHS from the mailing date of this communic ABANDONED (35 U.S.C. § 133).	cation.			
Status							
1)[]	Responsive to communication(s) filed on						
/ -		This action is non-final.					
3)□	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.						
Disposit	ion of Claims						
5)⊠ 6)⊠ 7)⊠	Claim(s) <u>1-50</u> is/are pending in the applica 4a) Of the above claim(s) <u>51-85</u> is/are with Claim(s) <u>6-50</u> is/are allowed. Claim(s) <u>1 and 2</u> is/are rejected. Claim(s) <u>3-5</u> is/are objected to. Claim(s) are subject to restriction a	ndrawn from consideration.					
Applicat	ion Papers						
10)⊠	The specification is objected to by the Exa The drawing(s) filed on <u>24 June 2003</u> is/ar Applicant may not request that any objection to Replacement drawing sheet(s) including the control of the oath or declaration is objected to by the	re: a)⊠ accepted or b)⊡ ob o the drawing(s) be held in abey orrection is required if the drawi	rance. See 37 CFR 1.85(a). ng(s) is objected to. See 37 CFR 1.1	• •			
		ie Examiner. Note the attack	ica office Action of form 1 10-13	۷.			
12) [a)	Acknowledgment is made of a claim for for All b) Some * c) None of: 1. Certified copies of the priority docur 2. Certified copies of the priority docur 3. Copies of the certified copies of the application from the International Busee the attached detailed Office action for a	ments have been received. ments have been received in priority documents have be ureau (PCT Rule 17.2(a)).	Application No en received in this National Stage	• ·			
2) 🔲 Notic 3) 🔯 Inforr	t(s) se of References Cited (PTO-892) se of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/S r No(s)/Mail Date 03/03/04	B) Paper N	v Summary (PTO-413) o(s)/Mail Date f Informal Patent Application (PTO-152) earch History.				

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DETAILED ACTION

Reply to Election/Restrictions

- Applicant's election without traverse of Group I, Claims 1-50 filed 26
 October 2004 is acknowledged. The changes and remarks disclosed therein were considered.
- 2. Claims 51-85 have been canceled.
- 3. Claims 1-50 are pending in the application.

Information Disclosure Statement

Acknowledgment is made of applicant's Information Disclosure Statement
 (IDS) Form PTO-1449, filed 03 March 2004. The information disclosed
 therein was considered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35U.S.C. 102 that form the basis for the rejections under this section made in thisOffice action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 6. Claims 1-2 are rejected under 35 U.S.C. 102(b) as being anticipated by Ogawa. (US. 5,295,254).

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Regarding claim 1, Ogawa in Figure 1 and Figure 6 discloses a device (DRAM, Figure 1, see column 1, lines 10-13; Figure 6, column 3, lines 59-62) comprising:

a memory array (5UC, 5LC, a memory cell array at high and low cell array in Figure 6);

a first data path (7U such as bit line group constituting data transfer paths between 5UC and 61) connected to the memory array for transferring data at a first speed (see column 4, lines 2-5);

a second data path (7L such as bit line group constituting data transfer paths between 5LC and 62) connected to the memory array for transferring data at a second speed (see column 4, lines 6-9).

With respected to claim 2, Ogawa in Figure 6 disclosed the first and second data path is a bi-directional data path (transfer gate 8 are insert into the first data path 7U and second data path 7L, see column 4, lines 10-12).

Allowable Subject Matter

- 7. Claims 3-5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 8. The following is a statement of reasons for the indication of allowable subject matter:

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Regarding claim 3, the prior art of record do not disclose or suggest a strobe transceiver circuit connected to the first and second data path for transferring data.

9. Claims 6-50 is allowed.

The following is an examiner's statement of reasons for allowance:

There is no teaching or suggestion in the prior art to: "a plurality of strobe transceivers connected to the first and second data path for transferring data to the first and second at the first and second speed" as claimed in the independent claim 6; or

"a plurality write strobe transceivers connected to the first and second data paths for receiving data from the first data path in a test mode and for providing write strobe signals to the second data path in one of the test mode and a normal mode" as claimed in the independent claim 12; or

"a path selector connected between the memory array and the first and second bi-directional data paths for selecting one of the first and second bi-directional data paths for transferring data between the memory array and one of the first and second bi-directional data path" as claimed in the independent claim 26; or

"a third group of transceivers, each having an input circuit connected to the second data path and an output circuit connected to the second data path" as claimed in the independent claim 36; or Application/Control Number: 10/608,743

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"a plurality of transceiver connected to the first and second data paths" as claimed in the independent claim 45.

Conclusion

10. Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Pho M. Luu whose telephone number is 571.272.1876. The examiner can normally be reached on M-F 8:00AM – 5:00PM.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's Supervisor, Richard Elms, can be reached on 571.272.1869. The official fax number for the organization where this application or proceeding is assigned is 703.872.9306 for all official communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PML

10 December 2004

MICHAEL S. LEBENTRITT
PRIMARY EXAMINER